

Docket No. 278259US0X PCT



MAIL STOP PCT
IAP10 Rec'd PCT/PTO 27 DEC 2005

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Pierre-Alexandre KAMINSKI, et al.

SERIAL NO: 10/550,618

GAU:

FILED: September 26, 2005

EXAMINER:

FOR: METHOD FOR THE IN VIVO MODIFICATION OF THE SYNTHESIS ACTIVITY OF A METABOLITE BY MEANS OF THE MODIFICATION OF A GENE THE ACTIVITY OF WHICH IS NOT THE ORIGINAL ACTIVITY

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97

COMMISSIONER FOR PATENTS
ALEXANDRIA, VIRGINIA 22313

SIR:

Applicant(s) wish to disclose the following information.

REFERENCES

- ☒ The applicant(s) wish to make of record the references cited in the International Search Report and listed on the attached form PTO-1449. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

RELATED CASES

- ☐ Attached is a list of applicant's pending application(s), published application(s) or issued patent(s) which may be related to the present application. In accordance with the waiver of 37 CFR 1.98 dated September 21, 2004, copies of the cited pending applications are not provided. Cited published and/or issued patents, if any, are listed on the attached PTO form 1449.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

CERTIFICATION

- ☐ Each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- ☐ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

DEPOSIT ACCOUNT

- ☒ Please charge any additional fees for the papers being filed herewith and for which no check or credit card payment is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

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Form PTO 1449
(Modified)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY DOCKET NO.
278259US0X PCTSERIAL NO.
10/550,618

LIST OF REFERENCES CITED BY APPLICANT

APPLICANT
Pierre-Alexandre K...SKI, et al.FILING DATE
September 26, 2005

GROUP

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB CLASS | FILING DATE IF APPROPRIATE |
|---------------------|----|--------------------|------|------|-------|--------------|-------------------------------|
| | AA | | | | | | |
| | AB | | | | | | |
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FOREIGN PATENT DOCUMENTS

| | | DOCUMENT NUMBER | DATE | COUNTRY | TRANSLATION | |
|--|----|--------------------|----------|---------|-------------|----|
| | | | | | YES | NO |
| | AO | 02/083892 | 10/24/02 | WO | | NO |
| | AP | 03/025163 | 03/27/03 | WO | | NO |
| | AQ | | | | | |
| | AR | | | | | |

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)

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|----|--|
| AS | WANG Xing-Guo et al, "Conversion of a glutamate dehydrogenase into methionine/norleucine dehydrogenase by site-directed mutagenesis", European journal of Biochemistry, Vol. 268, No. 22, Pages 5791-5799, 2001. |
| AT | CHANG H. K. et al, "Directed evolution of Comamonas testosteroni GZ39 m-hydroxybenzoate hydroxylase for the synthesis of 4-substituted catechols.", Biosciences Information Services, Vol. 103, Pages 0-114 URL, 2003 |
| AU | WAN Lianglu et al, "In vitro evolution of horse heart myoglobin to increase peroxidase activity", proceedings of the National Academy of Sciences of the United States of America, Vol. 95, No.22, Pages 12825-12831, 1998 |
| AV | CHEN K. et al., "Enzyme engineering for nonaqueous solvents: Random mutagenesis to enhance activity of subtilisin E in Polar organic media", Elsevier Science Publishers, Vol. 9, No. 11, Pages 1073-1077, 1991. |
| AW | CARSON Dennis A. et al, "Synthesis of 2, 3 - Dideoxynucleosides by Enzymatic Transglycosylation", Biochemical and Biophysical Research Communications, Vol 155, No. 2, Pages 829-834, 1988 |
| AX | HUANG Min-Chi et al, "Analogues of 2'-Deoxyadenosine: Facile Enzymatic Preparation and Growth Inhibitory Effects on Human Cell Lines", Biochemical Pharmacology, Vol. 30, No. 19, Pages 2663-2671, 1981 |
| AY | FREEMAN G.A. et al, "2-amino-9-(3-azido-2,3-dideoxy-beta-D-ery thro-pentofuranosyl)-6-substituted-9H-purines: Synthesis and anti-HIV activity.", Bioorganic & Medicinal Chemistry, Vol. 3, No. 4, Pages 447-458, 1995 |
| AZ | SHORT Steven A. et al., "Active site amino acids that participate in the catalytic mechanism of nucleoside 2'-deoxyribosyltransferase" < Journal of Biological Chemistry, Vol. 271, No. 9, Pages 4978-4987, 1996 |

☐ Additional References sheet(s) attached

Examiner

Date Considered

*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.